Mayandi Kalimuthu

List of Publications by Year
in descending order

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42	617	840776	642732
papers	citations	11 h-index	23 g-index

43	43	43	498
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extraction and characterization of new natural lignocellulosic fiberCyperus pangorei. International Journal of Polymer Analysis and Characterization, 2016, 21, 175-183.	1.9	110
2	An overview of burst, buckling, durability and corrosion analysis of lightweight FRP composite pipes and their applicability. Composite Structures, 2019, 230, 111419.	5.8	65
3	A short review on 3D printing methods, process parameters and materials. Materials Today: Proceedings, 2021, 45, 6108-6114.	1.8	58
4	A comparative study on characterisations of Cissus quadrangularis and Phoenix reclinata natural fibres. Journal of Reinforced Plastics and Composites, 2015, 34, 269-280.	3.1	43
5	An overview of endurance and ageing performance under various environmental conditions of hybrid polymer composites. Journal of Materials Research and Technology, 2020, 9, 15962-15988.	5.8	39
6	Mechanical performance of Cissus quadrangularis/polyester composite. Materials Today Communications, 2015, 4, 222-232.	1.9	31
7	Properties of Untreated and Chemically Treated Cissus Quadrangularis Natural Fibers and Their Composites With Polyester as the Matrix. Polymer Composites, 2018, 39, 876-886.	4.6	27
8	Bending, buckling and free vibration characteristics of FG-CNT-reinforced polymer composite beam under non-uniform thermal load. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2015, 229, 13-28.	1.1	24
9	Tribological Properties of Cyperus Pangorei Fibre Reinforced Polyester Composites(Friction and Wear) Tj ETQq1 1 0.784314 rgBT /Ove	3.1	21
10	Mechanical Property and Morphological Analysis of Polyester Composites Reinforced with Cyperus pangorei Fibers. Journal of Bionic Engineering, 2019, 16, 164-174.	5.0	19
11	Effect of 3D printing process parameters on the impact strength of onyx â€“ Glass fiber reinforced composites. Materials Today: Proceedings, 2021, 45, 6154-6159.	1.8	19
12	Animal fiber characterization and fiber loading effect on mechanical behaviors of sheep wool fiber reinforced polyester composites. Journal of Natural Fibers, 2022, 19, 4007-4023.	3.1	13
13	Effect of Alkali Treatment on the Properties of Acacia Caesia Bark Fibres. Fibers, 2021, 9, 49.	4.0	13
14	Effect of Fiber Length on Curing and Mechanical Behavior of Pineapple Leaf Fiber (PALF) Reinforced Natural Rubber Composites. Journal of Natural Fibers, 2022, 19, 4326-4337.	3.1	12
15	Recent studies on durability of natural/synthetic fiber reinforced hybrid polymer composites. , 2019, , 1-13.		11
16	Thermal and structural characterization of acrylonitrile butadiene styrene (ABS) copolymer blended with polytetrafluoroethylene (PTFE) particulate composite. Materials Research Express, 2019, 6, 085330.	1.6	10
17	A study on E-Glass fiber reinforced interpenetrating polymer network (vinylester/polyurethane) laminateâ€™s flexural analysis. Materials Today: Proceedings, 2020, 33, 854-858.	1.8	10
18	Experimental investigation and statistical analysis of additively manufactured onyxâ€carbon fiber reinforced composites. Journal of Applied Polymer Science, 2021, 138, 50338.	2.6	10

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19	Characterization of Novel Lignocellulosic Spinifex littoreus Fibers and Their Composites. Journal of Bionic Engineering, 2020, 17, 393-404.	5.0	9
20	Tensile and Hardness Properties of Sheep Wool Fiber Reinforced Polyester Composite. Materials Science Forum, 0, 969, 266-270.	0.3	7
21	Properties of Biocomposite Films From PLA and Thermally Treated Wood Modified with Silver Nanoparticles Using Leaf Extracts of Oriental Sweetgum. Journal of Polymers and the Environment, 2021, 29, 2409-2420.	5.0	7
22	Glass FRP-Reinforced Geopolymer Based Columns Comprising Hybrid Fibres: Testing and FEA Modelling. Polymers, 2022, 14, 324.	4.5	7
23	Wear Properties and Post-Moisture Absorption Mechanical Behavior of Kenaf/Banana-Fiber-Reinforced Epoxy Composites. Fibers, 2022, 10, 32.	4.0	7
24	Optimization on Tribological Behaviour of Milled Nano-B4C Particles Reinforced with AZ91 Alloy Through Powder Metallurgy Method. Transactions of the Indian Institute of Metals, 2019, 72, 1255-1275.	1.5	6
25	Mechanical properties of waste copper slag filled surface activated jute fiber reinforced composite. Materials Research Express, 2019, 6, 125347.	1.6	6
26	Investigation of abrasive water jet machining parameters on turkey fibre reinforced polyester composites. Materials Today: Proceedings, 2021, 45, 8000-8005.	1.8	5
27	Mechanical and thermal properties of a novel Spinifex Littoreus fiber reinforced polymer composites as an alternate for synthetic glass fiber composites. Materials Research Express, 2021, 8, 035301.	1.6	5
28	Tensile Properties and Fracture Morphology of Acacia Caesia Bark Fibers Treated with Different Alkali Concentrations. Journal of Natural Fibers, 2022, 19, 11258-11269.	3.1	5
29	Mechanical Properties of Phormium Tenax Reinforced Natural Rubber Composites. Fibers, 2021, 9, 11.	4.0	4
30	A novel and prediction approach of sheep wool reinforced polyester composites: Surface qualities and hybrid modeling. Polymer Composites, 2022, 43, 5274-5290.	4.6	4
31	Thermal Performance of Acrylonitrile Butadiene Styrene (ABS) Copolymer Blended with PTFE Particle/Polymer Composite. Materials Science Forum, 0, 969, 444-450.	0.3	3
32	Characterization of Acacia caesia Bark Fibers (ACBFs). Journal of Natural Fibers, 2022, 19, 10241-10252.	3.1	3
33	Experimentation of multi directional fan blade model using fused deposition modeling process. AIP Conference Proceedings, 2021, , .	0.4	2
34	Effect of Alkali Treatment on Tensile and Physicochemical Characterization of Cissus quadrangularis Fiber. Applied Mechanics and Materials, 2015, 813-814, 172-178.	0.2	1
35	Friction and wear properties of PTFE blended ABS polymer composite. AIP Conference Proceedings, 2019, , .	0.4	1
36	Investigation on thermal properties of Styrene Acrylonitrile (SAN) matrix with Polytetrafluroethylene (PTFE) particle reinforced composites. IOP Conference Series: Materials Science and Engineering, 2018, 390, 012003.	0.6	0

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37	Impact response of basalt composite pipe using filament winding. Journal of Physics: Conference Series, 2019, 1240, 012104.	0.4	0
38	A hybrid multi-objective optimization of 3D printing process parameters using genetic algorithm. AIP Conference Proceedings, 2021, , .	0.4	0
39	Effect of Chemical Treatment on Tensile and Flexural Performance of Cyperus Pangorei Fibre Reinforced Polyester Composites. Advanced Science, Engineering and Medicine, 2018, 10, 476-479.	0.3	0
40	Production of Natural Fiber Reinforced Thermoplastic and Ecological Approach to These Products: A Review. Xi'an Dianzi Keji Daxue Xuebao/Journal of Xidian University, 2020, 14, .	0.0	0
41	Developing a Rotating Fatigue Test Machine and Testing with Dissimilar Materials. Journal of Advanced Research in Dynamical and Control Systems, 2020, 12, 631-638.	0.2	0
42	A comprehensive review on the impact of nanofluid in solar photovoltaic/thermal system. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 0, , 095440622110556.	2.1	0